

Converting Colors

XYZ(36.2451, 34.2481, 99.3080)

Have a look what the booklet for
XYZ(36.2451, 34.2481, 99.3080)
contains.

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Color

**XYZ(36.2451, 34.2481,
99.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	6D9CFF
RGB	109, 156, 255
RGB Percent	43%, 61%, 100%
CMY	0.5725, 0.3882, 0.0000
CMYK	0.57, 0.39, 0.00, 0.00
HSL	221°, 100%, 71%
HSV	221°, 57%, 100%
XYZ	36.2451, 34.2481, 99.3080
YIQ	153.2330, -59.7910, 20.8250

Conversions

Conversions Part 2

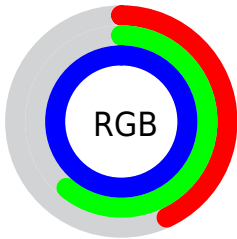
Format	Color
R _Y B	109, 145, 255
Decimal	7183615
CIE Lab	65.16, 12.76, -54.03
CIE LCh	65, 55.514, 283.288
Yxy	34.2481, 0.2135, 0.2017
Android (android.graphics.Color)	4285373695 (0xFF6D9CFF)
YUV	153.2330, 50.1711, -38.7923
Hunter-Lab	58.5219, 8.1394, -59.6461

Details

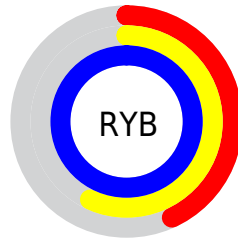
The XYZ color **36.2451, 34.2481, 99.3080** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.5579, 67.4786, 23.9867**, and the grayscale version is **30.1880, 31.7601, 34.5867**.

A 20% lighter version of the original color is **57.4588, 61.7482, 103.4979**, and **16.0439, 14.5924, 55.3971** is the 20% darker color. If you saturate the color by 10%, you get **30.8529, 27.4636, 98.2826**, and if you desaturate by 10%, it is **42.9624, 42.3299, 100.5139**.

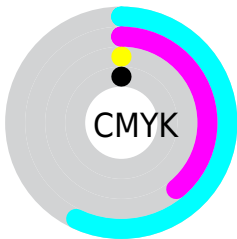
Distribution



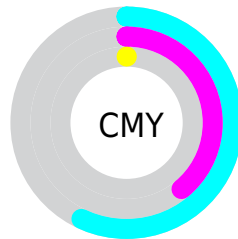
- Red (43%)
- Green (61%)
- Blue (100%)



- Red (43%)
- Yellow (57%)
- Blue (100%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2451, 34.2481, 99.3080 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 36.2451, 34.2481, 99.3080 by changing the saturation by 10% instead.

■ 36.2451, 34.2481,
99.3080

■ 36.2451, 34.2481,
99.3080

321.4431,
321.2369, 579.1995

■ 24.7945, 23.0843,
75.1091

■ 68.7316, 66.3193,
162.2495

■ 16.0520, 14.6557,
55.2000

■ 90.4983, 87.9954,
201.8291

■ 9.6520, 8.5781,
39.1622

■ 116.4343,
113.9445, 247.3727

■ 5.2293, 4.4671,
26.5771

146.9051,
144.5508, 299.2989

■ 2.4186, 1.9381,
17.0263

182.2761,
180.1988, 358.0261

■ 0.8544, 0.5711,
10.0911

222.9125,

■ 0.0000, 0.0000,

221.2729, 423.9729

5.3530

269.1797,
268.1575, 497.5578

■ 0.0000, 0.0000,
2.3935

■ 0.0000, 0.0000,
0.7829

■ 36.2451, 34.2481,
99.3080

■ 36.2451, 34.2481,
99.3080

■ 30.8529, 27.4636,
98.2826

■ 42.9624, 42.3299,
100.5139

■ 26.6837, 21.8964,
97.4278

■ 51.0890, 51.7752,
101.9087

■ 23.6246, 17.4615,
96.7330

■ 60.7060, 62.6491,
103.5007

■ 21.5326, 14.0550,
96.1857

■ 71.8867, 75.0114,
105.2976

■ 21.0736, 13.2672,
96.0579

■ 84.6999, 88.9182,
107.3065

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.2957, 34.2481, 97.9949



36.2451, 34.2481, 99.3080



44.3755, 34.2481, 79.8247

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.2451, 34.2481, 99.3080



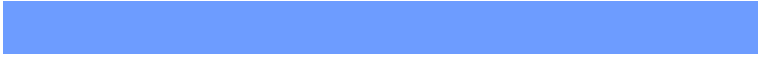
45.1856, 34.2481, 14.3865



19.8510, 34.2481, 25.9282

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.2451, 34.2481, 99.3080



66.5579, 67.4786, 23.9867

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.0404, 34.2481, 13.4153



36.2451, 34.2481, 99.3080



37.2147, 34.2481, 8.8887

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.2451, 34.2481, 99.3080



50.0831, 34.2481, 27.9914



29.1183, 34.2481, 8.6274



19.6791, 34.2481, 48.4496

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.2451, 34.2481, 99.3080



48.4498, 34.2481, 61.0099



29.1183, 34.2481, 8.6274



20.5783, 34.2481, 20.6864

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.2463, 34.2492, 99.3081



72.1894, 75.3428, 105.3456



53.2490, 79.2442, 71.0957



14.9414, 15.5670, 22.4672



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.2463, 34.2492, 99.3081



30.0389, 26.4049, 98.1212



33.2459, 23.1730, 97.3283



17.4803, 18.3323, 22.8671



11.1305, 7.1705, 50.2320



1.1778, 0.8862, 4.9223

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.7103, 34.5991, 35.3534



48.4614, 28.6279, 26.1479



71.3686, 89.5580, 27.9949



18.2503, 18.0834, 19.9354



22.4063, 11.4518, 5.5243



2.2291, 1.1340, 0.7878

Previews

White Background



This preview shows how the XYZ color 36.2451, 34.2481, 99.3080 looks on a white background.

Color Contrast Check

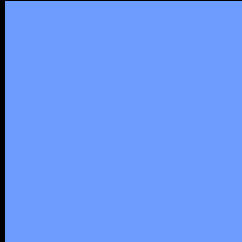
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.2451, 34.2481, 99.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

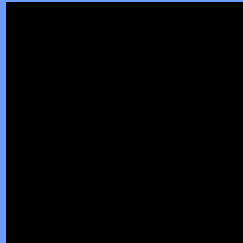
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

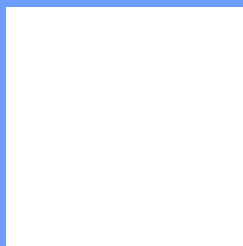
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2451, 34.2481, 99.3080

Background



This preview shows how black text looks on a background with the XYZ color 36.2451, 34.2481, 99.3080.



This preview shows how white text looks on a background with the XYZ color 36.2451, 34.2481,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.2451, 34.2481, 99.3080

Protanopia

36.8930, 34.1250, 97.5708

Deuteranopia

35.4224, 34.3264, 99.3664



Tritanopia

26.7132, 34.3779, 51.1266

Trichromacy



Original Color

36.2451, 34.2481, 99.3080

Protanomaly

36.6810, 34.2433, 98.4423

Deuteranomaly

35.7005, 34.2175, 99.3308

Tritanomaly

29.5835, 34.1497, 66.0051

Monochromacy



Original Color

36.2451, 34.2481, 99.3080

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1664, 32.1473, 53.2776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2451, 34.2481, 99.3080 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 156, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2451, 34.2481, 99.3080 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 156, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(109, 156, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(109, 156, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2451, 34.2481, 99.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 156, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109,  
156, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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